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Part Number: [0717422001](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine Receptacle, Surface Mount, Dual Row, Vertical Stacking, 84 Circuits, 0.25µm (10µ") Gold Plating, Tape and Reel Packaging

Documents:

[3D Model](#) [Product Specification PS-71741-9999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
 Series [71742](#)
 Application Board-to-Board
 Product Name Mezzanine

Physical

Circuits (Loaded) 84
 Color - Resin Natural
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 PCB Locator Yes
 PCB Retention None
 PCB Thickness Recommended (in) 0.040 In
 PCB Thickness Recommended (mm) 1.00 mm
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface (in) 0.039 In
 Pitch - Mating Interface (mm) 1.00 mm
 Plating min: Mating (µin) 10
 Plating min: Mating (µm) 0.25
 Plating min: Termination (µin) 40.8
 Plating min: Termination (µm) 1.02
 Polarized to PCB No
 Robotic Placement Pick and Place Cap
 Surface Mount Compatible (SMC) N/A
 Temperature Range - Operating -55°C to +85°C
 Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 1A
 Voltage - Maximum 100V

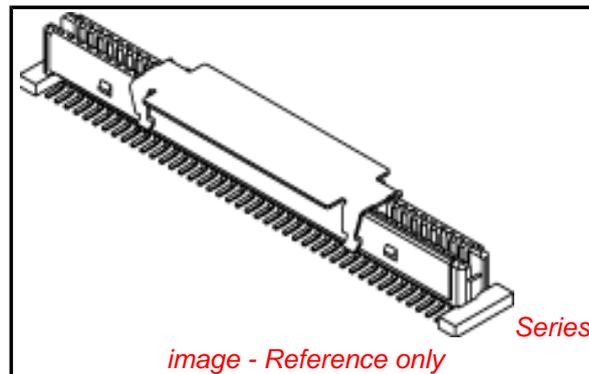
Solder Process Data

Duration at Max. Process Temperature (seconds) 40
 Lead-free Process Capability Reflow Capable (SMT only)
 Max. Cycles at Max. Process Temperature 3
 Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Product Specification PS-71741-9999



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

China RoHS



Search Parts in this Series

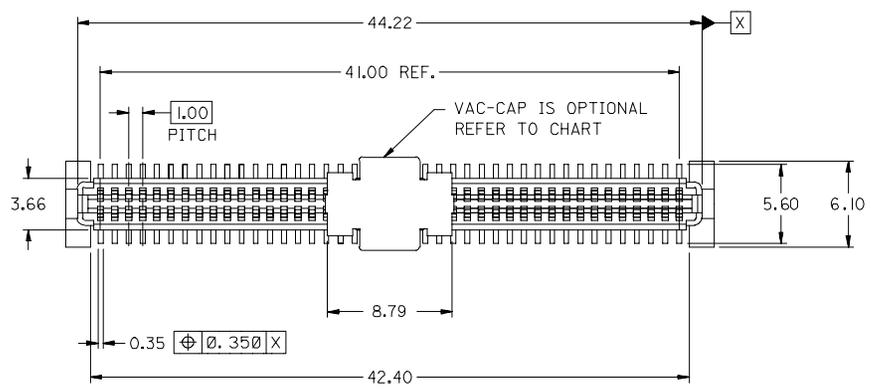
[71742Series](#)

Mates With

[717410](#) for Stack Height 12mm

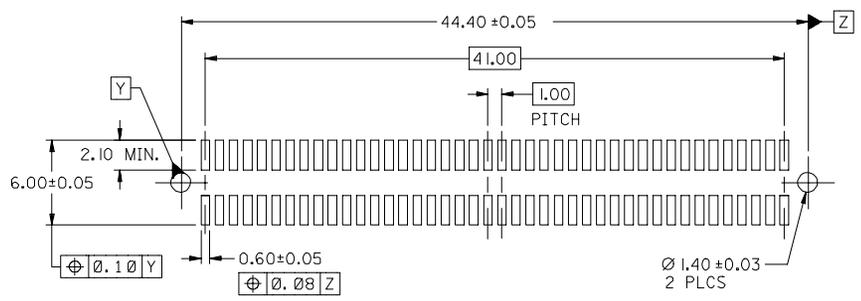
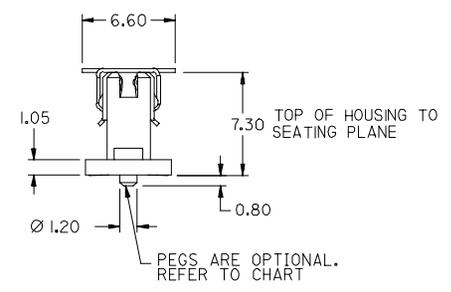
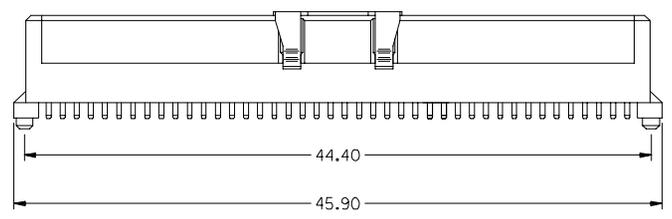
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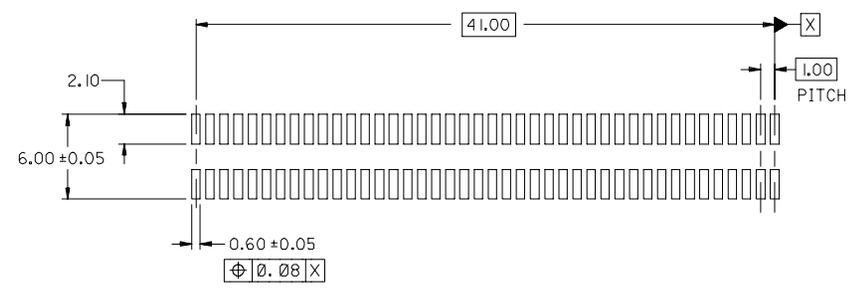
NOTES:

- HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE. TERMINAL MATERIAL: PHOSPHOR BRONZE. VACUUM CAP MATERIAL: STAINLESS STEEL.
- CONTACT FINISH: SEE CHART FOR THICKNESS OF GOLD PLATING IN CONTACT AREA, 1.90 MICROMETER MINIMUM TIN PLATING IN SOLDER TAIL AREA, OVER NICKEL PLATING OVERALL.
- THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71741-9999.
- PACKAGING: REFER TO CHART.



RECOMMENDED PCB LAYOUT — WITH PEGS

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MINIMUM



RECOMMENDED PCB LAYOUT — WITHOUT PEGS

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MINIMUM

2	A
1	B
SHT	REV

71742-2004	0.76 (30 MICROINCH)	YES	NO	PK-70873-0601	TUBES
71742-2003	0.76 (30 MICROINCH)	YES	YES	PK-70873-063	TAPE & REEL
71742-2002	0.25 (10 MICROINCH)	YES	NO	PK-70873-0601	TUBES
71742-2001	0.25 (10 MICROINCH)	YES	YES	PK-70873-063	TAPE & REEL

ITEM NUMBER	CONTACT AREA PLATING THICKNESS IN MICROMETERS (SEE NOTES FOR OTHER PLATINGS)	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
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ADD -2003 & -2004
 EC NO: UICP2007-1510
 DRAWN BY: BBARKER 2007/01/04
 CHECKED BY: MIBARRA 2007/01/04
 APPR: SMILLER 2007/01/05
 REV

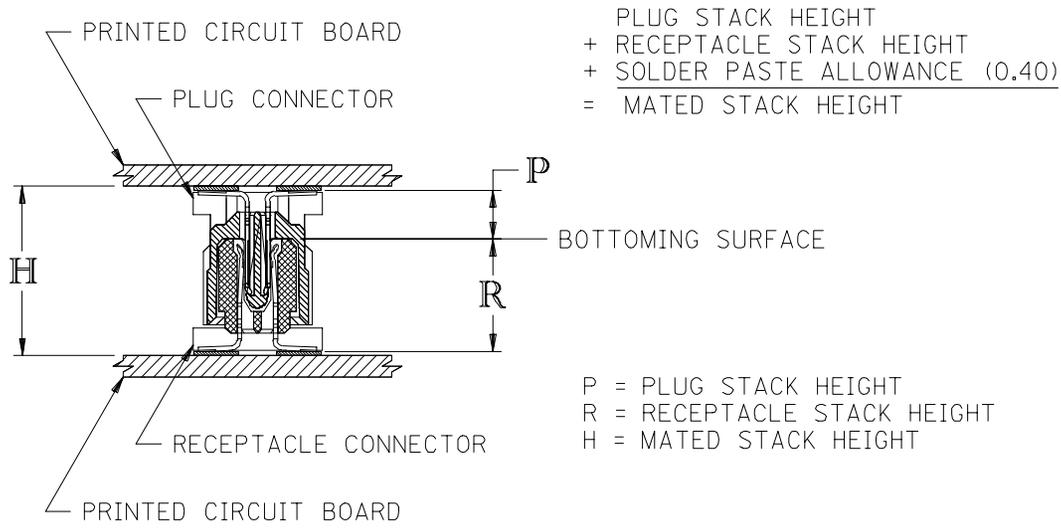
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
▽=0 ▽=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	MM ONLY	4:1	METRIC	THIRD ANGLE PROJECTION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

DRAWN BY: BBARKER 2005/11/16
 CHECKED BY: BSMART 2005/11/16
 APPROVED BY: SMILLER 2005/11/16
 MATERIAL NO. SD-71742-002

SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECP. 7.30/.406 HIGH
 MOLEX INCORPORATED
 SHEET NO. 1 OF 2

RECOMMENDED PLUG/RECEPTACLE COMBINATION FOR
MATED STACK HEIGHT PER EIA STANDARD 700 AAAB

MATED STACK HEIGHT	RECEPTACLE		PLUG		
	STACK HEIGHT	SERIES NUMBER	OVERALL HEIGHT	STACK HEIGHT	SERIES NUMBER
12.00	7.30	71742-2***	8.30	4.30	71741-0***
10.00			6.30	2.30	71741-2***



INITIAL RELEASE FC NO: UCP2006-1296 DRAWN BY: BBARKER 2006/01/30 CHKD: MBARRA 2006/02/03 APPR: SMILLER 2006/02/06 REV: A	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.25 ± ---	1 PLACE ± --- ± ---	ANGULAR ±1/2°	DRAWN BY BBARKER	DATE 2005/11/16	TITLE SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECEPT. 7.30/.406 HIGH		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					CHECKED BY BSMART	DATE 2005/11/16	MOLEX INCORPORATED		
		SEE TABLE					APPROVED BY SMILLER	DATE 2005/11/16	MATERIAL NO. SD-71742-002	SHEET NO. 2 OF 2	

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